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2011 Annual Progress Report and Master Schedule Update

Remedial Investigation/Feasibility Study North Shore Gas Company Former Manufactured Gas Plant Sites

CERCLA V-W-07-C-877

Revision 0 Project No: 1982 July 22, 2011

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FIGURES

Figure 1 Master Schedule



ACRONYMS

ARAR Applicable or Relevant and Appropriate Requirements

BMc Burns and McDonnell

CSM Generalized Conceptual Site Model

FS Feasibility Study

FSP Field Sampling Plan

HASP Health and Safety Plan

IEPA Illinois Environmental Protection Agency

IBS Integrys Business Support, LLC

MGP Manufactured Gas Plant

NRT Natural Resource Technology, Inc.

NSG North Shore Gas Company

QAPP Quality Assurance Project Plan

RAF Risk Assessment Framework

RI Remedial Investigation

RNA Remedial Natural Attenuation

RPM Remedial Project Manager

Settlement

Agreement Agreement and Administrative Order on Consent

SOW Statement of Work

SSWP Site Specific Work Plans

USEPA US Environmental Protection Agency



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	1 INTRODUCTION
	1.1 Scope
	This Annual Progress Report has been prepared in accordance with Task 8, Subtask 8 2 of the
	Statement of Work (SOW) attached to the Settlement Agreement and Administrative Order on Consent (Settlement Agreement) between the U.S. Environmental Protection Agency (USEPA) and North Shore
	Gas Company (NSG), a subsidiary of Integrys Energy Group, effective July 23, 2007 Also included
	herein is a Master Schedule Update that includes the general schedule for Remedial
	Investigation/Feasibility Study activities at each Site. The Annual Progress Report and Master Schedule Update addresses NSG's two former manufactured gas plant (MGP) Sites located in Waukegan, Illinois
	(North Plant MGP and South Plant MGP) Integrys Business Support, LLC (IBS) manages the former
	MGP sites for NSG
	1.2 Overview
Ö	This report addresses the following
	Section 2: Multi-Site Document Progress
	Section 3: Site Progress
	Section 4: Proposed Master Schedule
	Section 5: References
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	NATURAL RESOURCE TECHNOLOGY

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2 MULTI-SITE DOCUMENTS

Under the Settlement Agreement and SOW, Multi-Site documents are used to set forth general approaches and concepts to streamline subsequent site-specific work plans and minimize review times. The Multi-Site Remedial Investigation (RI) documents are used to maintain a consistent approach to investigate and assess potential risk at each site. The Multi-Site Feasibility Study (FS) Support. Documents are used to develop general response actions and technologies appropriate for MGP sites.

This section summarizes the status of the Multi-Site Documents

2.1 Multi-Site RI Documents

USEPA has approved all Multi-Site RI Documents submitted between May 7, 2007 and September 8, 2008. The Multi-Site RI Documents set forth a consistent approach for Integrys Energy Group's Illinois and Wisconsin-based subsidiary companies under the USEPA's lead Section 1.2 1 of the SOW discusses the Multi-Site RI Documents which include

- Multi-Site Quality Assurance Project Plan Revision 2, September 4, 2007 (QAPP, 2007(c)),
- ☐ Multi-Site Health and Safety Plan Revision 2, August 2, 2007 (HASP, 2007(a)),
- Generalized Conceptual Site Model Revision 0, August 5, 2007 (CSM, 2007(b));
- Multi-Site Risk Assessment Framework Revision 0, September 5, 2007 (RAF, 2007(d)), and
- Multi-Site Field Sampling Plan Revision 4, September 8, 2008 (FSP, 2008(a))

As discussed at the December 2010 technical meeting (discussed in Section 2 4), a RAF Addendum was submitted to the USEPA on April 20, 2011 (Exponent, 2011(a)) to incorporate the Regional Screening Levels(RSLs) into the hierarchy for human health screening levels and to further develop the approach to assessing potential vapor intrusion issues

Site-Specific Work Plans (SSWPs) are based on the Multi-Site documents and include modifications, as necessary, to reflect site-specific conditions. For instance, the site-specific CSM discusses the pathways presented in the Generalized CSM and the rational regarding why or why not a specific pathway is carried through into the baseline risk assessment.



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2.2 Multi-Site FS Suppor	t Document	
JSEPA approved (USEPA, 2010(g)) 1	the March 26, 2010 Multi	ı-Site FS Support Document dated (FS
Support Document, 2010(f)) The Mult	tı-Sıte FS Support Docur	ment includes general response actions and
oreliminary remedial technologies for	Integrys Energy Group's	Illinois and Wisconsin-based subsidiary
companies under the USEPA's lead		
SOW Section 1 2 2 discusses the Mul	Iti-Site FS Support Docu	ment which includes
 Preliminary Remedial Ted 	chnology Screening.	
·		t and Appropriate Requirements (ARARs);
Preliminary Permitting/Eq	uivalency Requirements	
Site Specific ES evaluations and the f	Detailed Analysis of Alter	rnatives (FS Report) for each site are based
on the Multi-Site FS Support Docume	-	
2.3 Multi-Site Document	Status	
2.3 Multi-Site Document The following table summarizes the st	tatus of the Multi-Site Do	
		cuments Written USEPA Comments Received
The following table summarizes the st Document 2010 Annual Progress Report	tatus of the Multi-Site Do	
The following table summarizes the st Document	submittal Date	
Document 2010 Annual Progress Report Risk Assessment Framework Addendum 2.4 Multi-Site Meetings During this reporting period, two multi-	Submittal Date July 23, 2010 April 20, 2011 -site technical meetings	Written USEPA Comments Received
Document 2010 Annual Progress Report Risk Assessment Framework Addendum 2.4 Multi-Site Meetings During this reporting period, two multi-echnical issues These meetings pro	Submittal Date July 23, 2010 April 20, 2011 -site technical meetings wide the basis for technical	written USEPA Comments Received were conducted to discuss specific cal evaluations at each site in the program
Document 2010 Annual Progress Report Risk Assessment Framework Addendum 2.4 Multi-Site Meetings During this reporting period, two multi- echnical issues These meetings pro	Submittal Date July 23, 2010 April 20, 2011 -site technical meetings ovide the basis for technical october 26, 2010 with US	Written USEPA Comments Received were conducted to discuss specific cal evaluations at each site in the program SEPA, WDNR, IBS, USEPA's Contractor
Document 2010 Annual Progress Report Risk Assessment Framework Addendum 2.4 Multi-Site Meetings During this reporting period, two multi- echnical issues These meetings pro The first technical meeting was held C (CH2MHill), Exponent (IBS's risk asse	Submittal Date July 23, 2010 April 20, 2011 -site technical meetings ovide the basis for technical october 26, 2010 with US	were conducted to discuss specific cal evaluations at each site in the program SEPA, WDNR, IBS, USEPA's Contractor
Document 2010 Annual Progress Report Risk Assessment Framework Addendum 2.4 Multi-Site Meetings During this reporting period, two multi- echnical issues These meetings pro	Submittal Date July 23, 2010 April 20, 2011 -site technical meetings ovide the basis for technical october 26, 2010 with US	written USEPA Comments Received were conducted to discuss specific cal evaluations at each site in the program SEPA, WDNR, IBS, USEPA's Contractor
Document 2010 Annual Progress Report Risk Assessment Framework Addendum 2.4 Multi-Site Meetings During this reporting period, two multi-echnical issues. These meetings pro The first technical meeting was held C (CH2MHill), Exponent (IBS's risk assessportion and the second of the	Submittal Date July 23, 2010 April 20, 2011 -site technical meetings ovide the basis for technical cottober 26, 2010 with US essors) and NRT to discuss	Written USEPA Comments Received were conducted to discuss specific cal evaluations at each site in the program SEPA, WDNR, IBS, USEPA's Contractor

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3 SITE PROGRESS

Project start dates and site prioritization for RI/FS activities were established for both sites in Exhibit A, Section A, of the SOW. The South Plant MGP Site was initiated July 23, 2007, coinciding with the effective date of the Settlement Agreement. The North Plant MGP Site was to be initiated seven months following the effective date (February 23, 2008) but was re-established to September 26, 2008.

Groundwater monitoring has been performed at the South Plant MGP Site during this reporting period Remedial actions have not been performed at either site during this reporting period

The Annual Progress Report is intended to provide a concise summary of the work completed at each MGP site. As part of the progress report, the anticipated progress (as presented in the SOW and the July 23, 2010 Master Schedule Update (NRT, 2010(k)) is compared to the actual progress. Site progress is discussed herein.

3.1 South Plant MGP Site

The Project Start Date for the South Plant MGP Site coincided with the effective date of the Settlement Agreement (July 23, 2007) Per the SOW, scoping meetings and conference calls may be used to discuss the content of South Plant MGP Site site-specific documents. During this reporting period, USEPA retained with CH2M Hill to provide contractor oversight and a new USEPA Remedial Project Manager (RPM) was assigned to the site. As a result, two site walks were conducted. Project meetings and site walks are summarized in the following table.

Topic	Conference Call Date
Site Walk with USEPA, IBS and Contractors	October 25, 2010
(CH2M Hill and NRT)	June 30, 2011
Site Overview Meeting for new USEPA RPM	May 17, 2011



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3.1.1 Planning Documents and W	ork Plan Submitt	als			
Planning documents and work plan submittals are summarized in the following table					
- · · · · · · · · · · · · · · · · · · ·	T	<u> </u>			
Task/Submittal	Targeted Completion Date	Actual Completion Date	USEPA Comments Received		
Submit Supplemental RI Activities – Vapor Intrusion Assessment Technical Memorandum	July 28, 2010	July 23, 2010	Informal Comments May 18, 2011		
Respond to USEPA comments received May 21, 2010 on the Supplemental RI			October 25, 2010		
Activities Technical Memorandum – Sediment Borings and Surface Water		July 26, 2010	Revised Tech Memo submitted		
Sampling, submitted March 25, 2010		-	November 11, 2010		
Submit RI report – Revision 0 to USEPA	February 14, 2011 ¹				
Submit Alternatives Array Technical Memorandum to USEPA	April 15, 2011 ¹				
Submit FS report – Revision 0 to USEPA	August 29, 2011 ¹				
1 Tasks after the RI Report – Revision 0 target date, established in the 2010 Annual Progress Report and Master Schedule Update, assumed USEPA approval of the Technical Memorandum of supplemental RI work (submitted March 25, 2010 (NRT 2010(e)) and July 27, 2010 (NRT, 2010 (I))) in mid-August 2010 for implementation in September 2010					
3.1.2 Remedial Investigation Field					
RI field activities performed at the South Pla in the SSWP (BMc, September 2008(b)) are	•		t period, as described		
Task		Completion	Date		
Fourth Quarter RI Groundwater Monitoring	Fvent	Week of Septen			
Post- RI Groundwater Monitoring Event	,	Week of Decem			
Fifth Quarter Post- RI Groundwater Monitoring Event	Week of March 28, 2011				
Sixth Quarter Post- RI Groundwater Monitoring Event		Week of June	·		
Seventh Quarter	1		·		
1982 2011 annual progress rpt and master schedule u	pdate 110714				
			NATURAL RESOURCE		
			TECHNOLOGY		

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3.1.3 Monthly Progress Reports

Monthly Progress Reports have been submitted by the 15th of each month (or the following business day) in accordance with Section 8.1 of the SOW

Monthly Progress Report	Submittal Date
July 2010	August 13, 2010
August 2010	September 15, 2010
September 2010	October 11, 2010
October 2010	November 11, 2010
November 2010	December 12, 2010
December 2010	January 14, 2011
January 2011	February 11, 2011
February 2011	March 14, 2011
March 2011	April 15, 2011
April 2011	May 16, 2011
May 2011	June 15, 2011
June 2011	July 13, 2011

3.2 North Plant MGP Site

The Project Start Date for the North Plant MGP Site was established in Exhibit A, Section A, of the SOW, to be seven months after the effective date of the Settlement Agreement (July 23, 2007), which was February 23, 2008 but was re-established to September 26, 2008 Per the SOW, scoping meetings and conference calls may be used to discuss the content of North Plant MGP Site site-specific documents. As discussed in Section 3.1 for South Plant, during this reporting period USEPA retained CH2M Hill to provide contractor oversight and a new USEPA RPM was assigned to the site. As a result, two site walks were conducted. Project meetings and site walks are summarized in the following table.



		2011 Annual Progre	ess Report and Master S	ormer MGF Schedule U Rev July 22 3-Site Pro Page
	Topic	· · · · · · · · · · · · · · · · · · ·	Conference Çal	II Dáte
Site V	Walk with USEPA, IBS and Contract	ors		
(CH2	M Hill and NRT)			
to US	Overview Meeting for new USEPA R SEPA's November 8, 2010 SSWP- R ments, submitted December 22, 201	evision 0		
Subm	Task/Submittal nit Response to USEPA's	Completion Date	Completion Date	
	Task/Submittal	Targeted Completion Date	Actual Completion Date	USE Comm Recei
SHIPM	nit Response to USEPA's]	1
Addıt	ional SSWP Revision 0 ments, received November 8, 2010	September 1, 2010 ¹	December 22, 2010	May 17
Addit Comi	ional SSWP Revision 0	September 1, 2010 ¹ November 30, 2010 ²	December 22, 2010 June 30, 2011 ³	May 17
Addit Comi	nonal SSWP Revision 0 ments, received November 8, 2010	November 30, 2010 ² 's additional SSWP – R Master Schedule Upda	June 30, 2011 ³ evision 0 target date, este, assumed USEPA pro	 stablished
Addit Comi Subm	nonal SSWP Revision 0 ments, received November 8, 2010 mit SSWP – Revision 1 to USEPA Submittal of a response to USEPA 2010 Annual Progress Report and	November 30, 2010 ² Is additional SSWP – R Master Schedule Upda 8, 2010 email) by Augu arget date, established in	June 30, 2011 ³ Revision 0 target date, este, assumed USEPA prost 3, 2010 In the 2010 Annual Prog	stablished rovided iress Repo
Addit Comi Subm 1	nonal SSWP Revision 0 ments, received November 8, 2010 mit SSWP – Revision 1 to USEPA Submittal of a response to USEPA 2010 Annual Progress Report and additional comments (per a June 1 Submittal of SSWP – Revision 1 ta Master Schedule Update, assume	November 30, 2010 ² Is additional SSWP – R Master Schedule Upda 8, 2010 email) by Augu arget date, established in d USEPA's concurrence per 1, 2010 ras within 45 days of rec	June 30, 2011 ³ Revision 0 target date, este, assumed USEPA prost 3, 2010 In the 2010 Annual Proge with response to communications userving USEPA's concur	stablished rovided gress Repo ments on S
Subm 1 2 3	nonal SSWP Revision 0 ments, received November 8, 2010 mit SSWP – Revision 1 to USEPA Submittal of a response to USEPA 2010 Annual Progress Report and additional comments (per a June 1 Submittal of SSWP – Revision 1 ta Master Schedule Update, assumed Revision 0 were received by Octob Submittal of SSWP – Revision 1 were sponse to USEPA's comments s	November 30, 2010 ² I's additional SSWP – R Master Schedule Upda 8, 2010 email) by Augurget date, established in d USEPA's concurrence per 1, 2010 ras within 45 days of recubmitted December 22,	June 30, 2011 ³ Revision 0 target date, este, assumed USEPA prost 3, 2010 In the 2010 Annual Proge with response to communications userving USEPA's concur	stablished rovided gress Reponents on S
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Subm 1 2 3 3.2.2	sonal SSWP Revision 0 ments, received November 8, 2010 mit SSWP – Revision 1 to USEPA Submittal of a response to USEPA 2010 Annual Progress Report and additional comments (per a June 1 Submittal of SSWP – Revision 1 ta Master Schedule Update, assumed Revision 0 were received by Octob Submittal of SSWP – Revision 1 w response to USEPA's comments s received May 17, 2011	November 30, 2010 ² I's additional SSWP – R Master Schedule Upda 8, 2010 email) by Augurget date, established in d USEPA's concurrence per 1, 2010 ras within 45 days of recubinitied December 22, Id Activities	June 30, 2011 ³ Revision 0 target date, este, assumed USEPA prost 3, 2010 In the 2010 Annual Proge with response to common ceiving USEPA's concur, 2010 USEPA's concur	stablished ovided press Reponents on S prence with
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Addit Coming Subman 1 2 3.2.2	sonal SSWP Revision 0 ments, received November 8, 2010 mit SSWP – Revision 1 to USEPA Submittal of a response to USEPA 2010 Annual Progress Report and additional comments (per a June 1 Submittal of SSWP – Revision 1 ta Master Schedule Update, assumed Revision 0 were received by Octob Submittal of SSWP – Revision 1 w response to USEPA's comments s received May 17, 2011 Remedial Investigation Fie	November 30, 2010 ² I's additional SSWP – R Master Schedule Upda 8, 2010 email) by Augurget date, established in d USEPA's concurrence per 1, 2010 ras within 45 days of recubinitied December 22, Id Activities	June 30, 2011 ³ Revision 0 target date, este, assumed USEPA prost 3, 2010 In the 2010 Annual Proge with response to common ceiving USEPA's concur, 2010 USEPA's concur	stablished ovided press Reponents on States
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3.2.3 Monthly Progress Reports

Monthly Progress Reports have been submitted by the 15th of each month (or the following business day) in accordance with Section 8 1 of the SOW

Monthly Progress Report	Submittal Date
July 2010	August 13, 2010
August 2010	September 15, 2010
September 2010	October 11, 2010
October 2010	November 11, 2010
November 2010	December 12, 2010
December 2010	January 14, 2011
January 2011	February 11, 2011
February 2011	March 14, 2011
March 2011	April 15, 2011
Aprıl 2011	May 16, 2011
May 2011	June 15, 2011
June 2011	July 13, 2011

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4 PROPOSED MASTER SCHEDULE

Exhibit A of the SOW includes a schedule for major deliverables RI field work, as described in the approved SSWP – Revision 1, September 12, 2008, (BMc 2008(b)), has been completed at the South Plant MGP Site Supplemental RI field activities have been proposed in technical memoranda summarized in Section 3 1 1 SSWP – Revision 1 was submitted June 30, 2011 for the North Plant MGP Site USEPA comments/approval are forthcoming

Future submittals and activities are dependent on USEPA comments and approvals. The site-specific schedules for both sites, presented in the SSWPs, are updated herein to provide proposed site-specific schedules for field activities and major deliverables. The technical memorandum submittals and SSWPs are subject to USEPA's review/approval.

4.1 Overview Progress Meetings

Monthly Progress Reports are submitted for each site

Overview progress meetings are proposed to be conducted on an as-needed basis at the request of either USEPA or IBS Specific progress meeting dates are not proposed at this time

4.2 Multi-Site RI Documents

The Multi-Site Documents, as described in the SOW, have been completed and approved as summarized in Section 2

4.3 Schedule for NSG Sites

Figure 1 summarizes the proposed target dates for RI/FS activities at each site. Proposed target dates have been adjusted to reflect anticipated RI field activities, the schedule provided in the SSWP North Plant MGP Site – Revision 1, dated June 30, 2011 (NRT, 2011 (b)), USEPA approvals and reasonably anticipated approvals. All site schedules are dependent on USEPA approval dates, contractor availability, and sampling seasons.

Figure 1 considers the deliverable timeframes specified in Exhibit A of the SOW (e.g., SSWPs submitted 90 days following the Completion Report submittal, finalize submittals within 45 days from receipt of



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USEPA comments, etc.) For planning purposes, it is assumed USEPA will provide comments within 60 days of submittals

The proposed schedules are subject to change Modifications to the schedule, if necessary, will be communicated to USEPA through monthly site-specific progress reports, weekly progress conference calls during RI activities, or other communications

4.3.1 South Plant MGP Site

The tasks provided in the Former South Plant Site SSWP – Revision 1, September 12, 2008 (BMc, 2008(b)), have been completed through submittal of the RI Report – Revision 0. As noted in Section 3.1.1, Supplemental RI field activities are proposed to evaluate the presence-absence of MGP-residuals in Lake Michigan (March 25, 2010 submittal (NRT, 2010 (e)), approved October 25, 2010 (USEPA, 2010 (m)) which did not allow for sediment field work to be initiated in 2010) and address potential vapor intrusion (July 23, 2010 (NRT, 2010 (k)) submittal with informal comments received May 18, 2011). These tasks and on-going post RI groundwater monitoring are presented in Figure 1 and summarized in the following table.

Task/Deliverable	Target Date for Completion
Monthly Progress Reports	15 th of every month
Submit Supplemental RI Tech Memo (potential vapor intrusion assessment)	by July 29, 2011
Eighth quarterly groundwater monitoring	September 2011
Supplemental RI Field Activities (assumes approval of Supplemental RI Tech Memo - Potential Vapor Intrusion Assessment August 2011)	Lake Michigan sediment and surface water sampling – late July 2011 Potential vapor intrusion sampling initiated – mid Sept 2011
RI Report – Revision 0 to USEPA (assumes additional investigation is not required after the supplemental field work for sediment and vapor is performed)	February 27, 2012
Alternatives Array Tech Memo to USEPA	April 27, 2012
FS Report – Revision 0 to USEPA (assumes USEPA comments on Alternatives Array Tech Memo received July 2012)	September 10, 2012
On-going Post RI Groundwater Monitoring	To be determined following review of RI Data Preliminarily proposed semi-annual in February and August



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3.3.2 North Plant MGP Site	
he North Plant MGP SSWP – Revision 1, v	was submitted to USEPA on June 30, 2011 (NRT, 2011
The proposed RI/FS schedule, adjusted to r	eflect 2011 progress, is presented in Figure 1 Sampling
arameters and frequencies are provided in	the SSWP Major deliverable target dates are summarize
ne following table	
Task/Deliverable	Target Date for Completion
Monthly Progress Reports	15 th of every month
Initiate RI Field Work	January 2011 (contractor procurement)
	Soil Boring Installation/Soil Vapor Sampling - October 2011
l Field Activities	Groundwater Monitoring Well Installation/Development - November 2011
RI Field Activities (assumes SSWP – Revision 1 approved in late August 2011)	Sediment Sampling (former tar pit) - November 2011
in late August 2011)	Surface Water Sampling (former tar pit) - November 2011
	Quarterly groundwater monitoring - November 2011 thru September 2012
RI Report – Revision 0 to USEPA (assumes additional investigation is not required, beyond what is proposed in the SSWP – Revision 1)	October 4, 2012
Alternatives Array Tech Memo to USEPA	December 3, 2012
FS Report – Revision 0 to USEPA (assumes USEPA comments on Alternatives Array Tech Memo received March 2013)	April 18, 2013
···-·	To be determined following review of RI Data

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5 REFERENCES

2007	July 23, United States Environmental Protection Agency and North Shore Gas Company, Settlement Agreement and Administrative Order on Consent for the conduct of Remedial Investigations and Feasibility Studies at the North Shore Gas Sites in Waukegan, Illinois US EPA Region 5, CERCLA Docket No V-W-07-C-877
2007(a)	August 2 Revision 2, Multi-Site Health and Safety Plan, for Former Manufactured Gas Plant Sites, prepared for Integrys
2007(b)	August 5 Revision 0, Generalized Conceptual Site Model, for Former Manufactured Gas Plant Sites, prepared for Integrys
2007(c)	September 4 Revision 2, Multi-Site Quality Assurance Project Plan, for Former Manufactured Gas Plant Sites, prepared for Integrys
2007(d)	September 5 Revision 2, Exponent, Multi-Site Risk Assessment Framework, for Former Manufactured Gas Plant Sites
2008(a)	September 8 Revision 4, Multi-Site Field Sampling Plan, for Former Manufactured Gas Plant Sites
	September 12 Burns and McDonnell, Site-Specific Work Plan, Former South Plant Site, Waukegan, Illinois
	December 26 Burns and McDonnell, Site-Specific Work Plan, Former North Plant Site, Waukegan, Illinois
2009(a)	July 16 Revision 0 Multi-Site Feasibility Study Support Documents, for Former Manufactured Gas Plant Sites, prepared for Integrys
	July 23 Burns and McDonnell, July 2009 Annual Progress Report, South Plant Site and North Plant Site, Waukegan, Lake County, Illinois, North Shore Gas Company, CERCLA Docket No V-W-'07-C-877
?010(a)	January 6, 2010 United States Environmental Protection Agency Comments North Plant SSWP – Revision 0, Waukegan Former North Plant MGP Site, Waukegan, Illinois, North Shore Gas Company CERCLA Docket No V-W-'07-C-877, CERCLIS ID – ILD984807990
2010(b)	February 18, 2010 Natural Resource Technology, Inc. Review of Monitoring Well Sampling Parameters and Strategy Technical Memorandum, Waukegan Former South Plant MGP Site, Waukegan, Illinois, North Shore Gas Company CERCLA Docket No. V-W-'07-C-877, CERCLIS

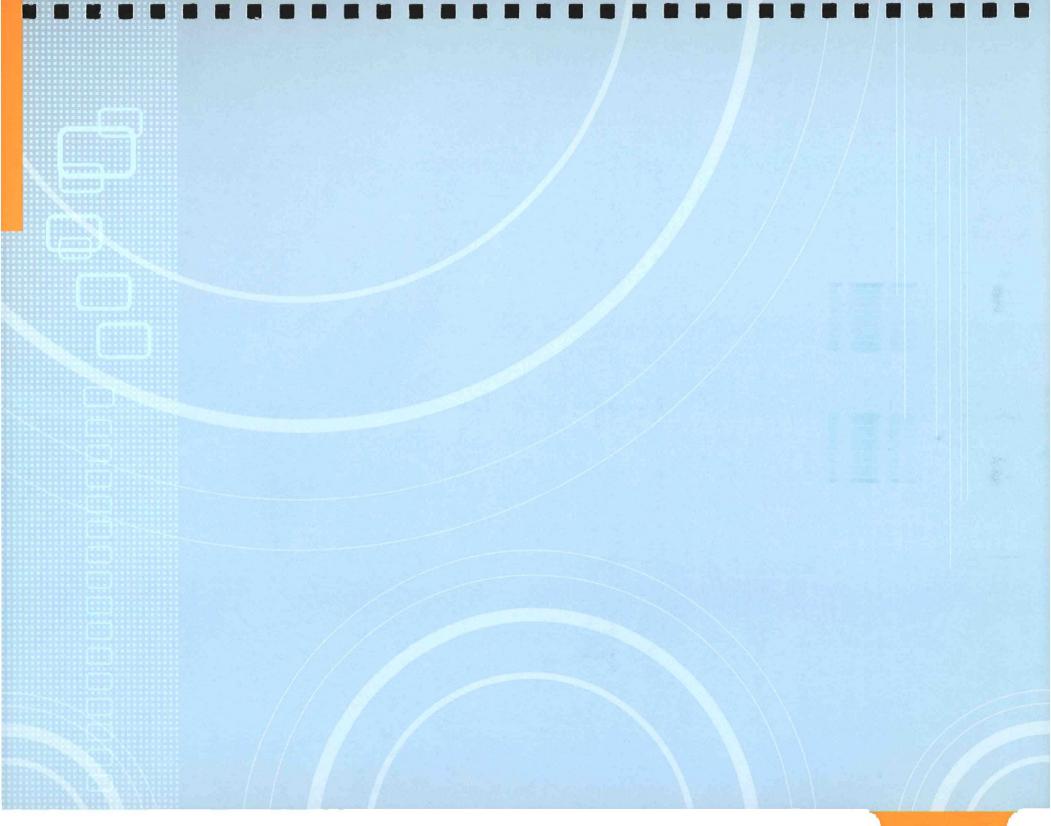


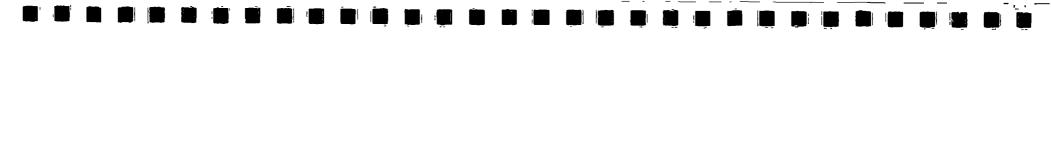
ID - ILD984809228

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2010(d) March 17 United States Environmental Protection Agency Comments on Revision 0 Multi- Feasibility Study Support Documents, for Former Manufactured Gas Plant Sites, prepared Integrys
2010(e) March 25, 2010 Natural Resource Technology, Inc. Sediment Borings and Surface Water Sampling Technical Memorandum, Waukegan Former South Plant MGP Site, Waukegan, I North Shore Gas Company CERCLA Docket No. V-W-'07-C-877, CECLIS ID – ILD984809;
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2010(g) April 20 United States Environmental Protection Agency Approval of Revision 1 Multi-Site Feasibility Study Support Documents, for Former Manufactured Gas Plant Sites, prepared Integrys
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ember 9, 2010 United States Environmental Protection Agency Addition t SSWP – Revision 0, Waukegan Former North Plant MGP Site, Waukeg e Gas Company CERCLA Docket No V-W-'07-C-877, CERCLIS ID – IL	gan, Illinois, North
ember 22, 2010 Natural Resource Technology, Inc. Response to USEP/ tional Comments North Plant SSWP – Revision 0, Waukegan Former No kegan, Illinois, North Shore Gas Company CERCLA Docket No. V-W-'07 ILD984807990	orth Plant MGP Site,
17, 2011 United States Environmental Protection Agency Comments of PA Comments on Additional Comments North Plant SSWP – Revision 0 th Plant MGP Site, Waukegan, Illinois, North Shore Gas Company CERC C-877, CERCLIS ID – ILD984807990	, Waukegan Former
20, 2011 Exponent, Multi-Site Risk Assessment Framework Addendum orandum for Former Manufactured Gas Plant Sites	n Technical
e 30, 2011 Natural Resource Technology, Inc SSWP – Revision 1, Wau t MGP Site, Waukegan, Illinois, North Shore Gas Company CERCLA Do CERCLIS ID – ILD984807990	
ial progress rpt and master schedule update 110714	
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FIGURES

FIGURE 1 PROPOSED MASTER SCHEDULE

Integrys Business Support, LLC Former Manufactured Gas Plant Sites North Shore Gas (V-W-07-C-877)

0	Task Name		Duration	Start	Finish	Qtr 2	Qtr 3 Qtr 4	2012 Qtr 1 Qtr 2	Qtr 3 Qtr	2013 4 Qtr 1	Qtr 2 Qtr 3	Qtr 4	2014 Qtr 1 Qtr 2
0				2577120		QuZ	QU U QU 4	QUI QUIZ	Gu o j Qu	- Gu I	- Q11 0		- Stur
	NSG Waukegan Sc	uth Plant	596 days	Mon 7/25/11	Mon 3/11/13	3	Quality Control of the Control of th		Secretaria de la composição de la compos				
	Groundwater Monito		345 days	Mon 9/26/11	Tue 9/4/12					7			
		roundwater Monitoring Event	5 days	Mon 9/26/11	Fri 9/30/11		8						
		nual Groundwater Monitoring Event	5 days	Tue 2/28/12	Sat 3/3/12		•	*					
			5 days	Fri 8/31/12	Tue 9/4/12		F	9					
		-Annual Groundwater Monitoring Event											
	Supplemental RI Act		133 days	Mon 7/25/11	Sun 12/4/11		A 7/07						
		pplemental RI Tech Memo for VI to USEPA	0 days		Wed 7/27/11		♦ -7/27 ♦ -8/25						
		Supplemental RI Tech Memo	0 days	Thu 8/25/11	Thu 8/25/11		8/25						
0	Implement VI Acti	vities	2 days	Thu 9/15/11	Fri 9/16/11								
1	Implement Sedime	nt Sampling Activities	5 days	Mon 7/25/11	Fri 7/29/11		\$						
2	Receive Suppleme	ntal Analytical Data	0 days	Tue 10/18/11	Tue 10/18/11		10/18						
3	Supplemental RI D	ata Validation	35 days	Mon 10/31/11	Sun 12/4/11								
4	Prepare RI Report		227 days	Fri 1/13/12	Mon 8/27/12	2		-		7			
5		RI Data with USEPA	0 days	Fri 1/13/12	Fri 1/13/12	2		♦ 1/1 3					
3	Submit RI Rpt - Re		0 days		Mon 2/27/12	2		2/27					
7		omments on RI Rpt - Rev 0	0 days	Mon 5/28/12		_		Y	5/2 8				
3	Submit RI Rpt - Re		0 days	Thu 7/12/12	Thu 7/12/12				7/12 8/27				
	USEPA Approves		0 days	Mon 8/27/12			1	F W - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	8/27				
9		KI KPI - KeV I	318 days	Fri 4/27/12		-			V				
)	Prepare FS Report	A T1-M 1-110EDA		Fri 4/27/12	Fri 4/27/12			A	7				
		s Array Tech Memo to USEPA	0 days						7/26				
2		omments on Alternatives Array Tech Memo	0 days	Thu 7/26/12	Thu 7/26/12				0/40				
3	Submit FS Rpt - R		0 days						♦ 8/10	12/10 1/24 3/11			
1		omments on FS Rpt - Rev 0	0 days	Mon 12/10/12		-				12/10			
5	Submit FS Rpt - R	ev 1 to USEPA	0 days		Thu 1/24/13					1/24			
6	USEPA approves	FS Rpt - Rev 1	0 days	Mon 3/11/13	Mon 3/11/13	3				♦ 3/11			
7													
8							1. 57 1 1	9 5 6					
9	NSG Waukegan No	orth Plant	936 days	Fri 7/1/11	Tue 1/21/14	4							
0	Site-Specific Work F		60 days		Mon 8/29/11	1		15.1.1					
1	Submit SSWP - R		0 days		Fri 7/1/11	-	7/1						
	USEPA approves		0 days		Mon 8/29/11	-1	8/29	1 2 2 3 5 6					
2			448 days		Wed 11/21/12								
3	Implement RI Field		30 days	Thu 9/1/11	Fri 9/30/11		+						
4	Contractor Procur						3						
5	Boring Installation		15 days				-						
6	Soil Gas Sampling			Mon 10/31/11	Tue 11/1/11		1	1777 P. 1871 11 - 1891					
7	Sediment Samplin		1 day		Thu 11/3/11		1						
8	Groundwater Mon	toring Well Installation/Development	15 days							38192			
9	First Quarter RI G	W Sampling		Mon 11/21/11									
0	Surface Water Sa	npling (former tar pit)	-	Tue 11/29/11		1							
1	Laboratory Analys	is (includes first quarter gw)	30 days	Wed 11/30/11	Thu 12/29/1	1	The state of the s	<u></u>					
2		cludes first quarter gw)	60 days	Wed 1/4/12	Sat 3/3/12	2	July 1						
3	Second Quarter R		8 days	Mon 2/27/12	Mon 3/5/12	2	1	1)	IN SHEET AND A SECOND			
4		is (second quarter gw)	30 days			2	1000		Para Spanish				
5	Data Validation (s		30 days				Th 1 + 5.80						
6	Third Quarter RI C		8 days				14						
7		is (third quarter gw)	30 days				(C) (1) (C)		*				
			30 days										
8	Data Validation (th						100						
9	Fourth Quarter RI	Gvv Sampling	8 days	Mon 9/10/12	Mon 9/17/1:	_			**)				
3 3		000000000000000000000000000000000000000	Desirat O			another tall		Manual Cumman	Pollup -	Progress			
		Task	Project Summary		lr.	nactive Milesto	ne 🔛	Manual Summar		Progress			
niect: 109	2 IBS SAS NSG MGP Mas	Split	External Tasks		In	nactive Summa	ry	Manual Summar		Deadline	₽.		
ite: Thu 7/		Milestone •	External Milestone		N/	fanual Task	The second second	Start-only	C				
				•			The second second		-				
	The same of the sa	Summary	Inactive Task		D	uration-only	Name and Address of the Owner, when the Owner, when the Owner, where the Owner, which the O	Finish-only	3				

FIGURE 1 PROPOSED MASTER SCHEDULE

Integrys Business Support, LLC Former Manufactured Gas Plant Sites North Shore Gas (V-W-07-C-877)

ID _	7.74	Task Name	Duration	Start	Finish	2012 2013 2014												
0				303 11.		Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2
50		Laboratory Analysis (fourth quarter gw)	30 days	Tue 9/18/12	Wed 10/17/12		10-70-											
51		Data Validation (fourth quarter gw)	30 days	Tue 10/23/12	Wed 11/21/12													
52		On-Going Post RI Groundwater Sampling	561 days	Tue 7/10/12	A THE RESIDENCE OF THE PARTY OF												0	
53		On-Going Post RI Groundwater Sampling 1	8 days	Tue 7/10/12	Tue 7/17/12													
54		On-Going Post RI Groundwater Sampling 2	8 days	Tue 1/8/13	Tue 1/15/13								8					
55		On-Going Post RI Groundwater Sampling 3	8 days	Tue 7/9/13	Tue 7/16/13													
56		On-Going Post RI Groundwater Sampling 4	8 days	Tue 1/14/14	Tue 1/21/14												0	
57		Prepare RI Report	227 days	Mon 8/20/12	Thu 4/4/13								-	-				
58		Review Preliminary RI Data with USEPA	0 days	Mon 8/20/12	Mon 8/20/12				70-1		-	8/20						
59		Submit RI Rpt - Rev 0 to USEPA	0 days	Thu 10/4/12	Thu 10/4/12							10/4	\exists					
60		Receive USEPA Comments on RI Rpt - Rev 0	0 days	Wed 1/2/13	Wed 1/2/13							: 15 T	1/2					
61		Submit RI Rpt - Rev 1 to USEPA	0 days	Mon 2/18/13	Mon 2/18/13								♦ 21°	18				
62		USEPA Approves RI Rpt - Rev 1	0 days	Thu 4/4/13	Thu 4/4/13									414				
63		Prepare FS Report	318 days	Mon 12/3/12	Thu 10/17/13											-		
64		Submit Alternatives Array Tech Memo to USEPA	0 days	Mon 12/3/12	Mon 12/3/12							*	12/3					
65		Receive USEPA Comments on Alternatives Array Tech Memo	0 days	Mon 3/4/13	Mon 3/4/13								-	3/4				
66		Submit FS Rpt - Rev 0 to USEPA	0 days	Thu 4/18/13	Thu 4/18/13									♦ 4/18	\supset			
67		Receive USEPA Comments on FS Rpt - Rev 0	0 days	Wed 7/17/13	Wed 7/17/13										♦ 7/17			
68		Submit FS Rpt - Rev 1 to USEPA	0 days	Mon 9/2/13	Mon 9/2/13										9.	12		
69		USEPA approves FS Rpt - Rev 1	0 days	Thu 10/17/13	Thu 10/17/13											10/17		

